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includes a Real-Time Operating System (RTOS) such as VxWorks, the Tornado development environment, the OpenGL graphics language, and the Visual Applications Builder (VAPS®) display format development tool. Fig. 1 illustrates in block form the software running both on a General Purpose Processor (GPP; the workstation, personal computer, or embedded system microprocessor) and on the IPM. Shaded areas indicate reusable software. Fig. 2 provides additional detail. Figs. 5-7 are block diagrams of data and control flow through the low level API graphic drivers to the displays in different display and display type configurations. Figs. 5B and 10B depict the dynamic switch logic. Low level API pointers to the display's raster or stroke drivers are preferably initialized only once during power-on initialization. Fig. 3 illustrates an implementation of a user interface (in this case, VAPS®) to the video library.--

In the drawings:

Please replace Figs. 1, 2, 3, 4, 5, 6, 7, and 10 with the attached replacement drawings. A red-line version of the drawings is attached to show the amendments.

In the claims:

Please cancel claims 37 and 47.

Please amend claims 33, 35, 42, 43, 45 and 52 as follows:

33. A computer device for driving multiple displays of different types using formats designed for raster displays, said device comprising:

means for linking generated code from said formats to a standard graphics library;

means for driving a plurality of displays of different types, said plurality of displays comprising stroke displays, raster displays and hybrid displays, from output of said graphics library; and

means for dynamically switching between said displays in real time.



1/10

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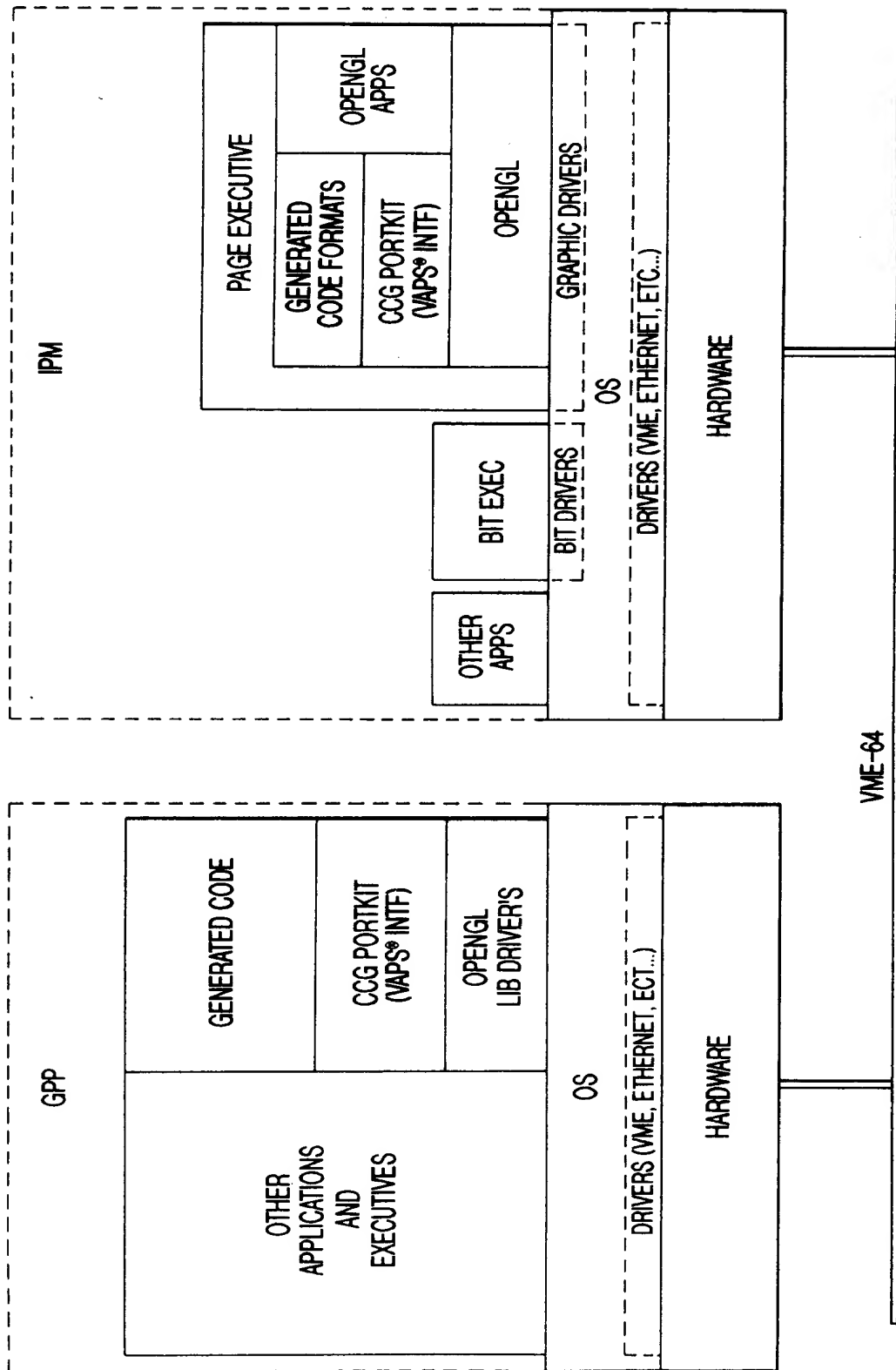


FIG-1



2/10

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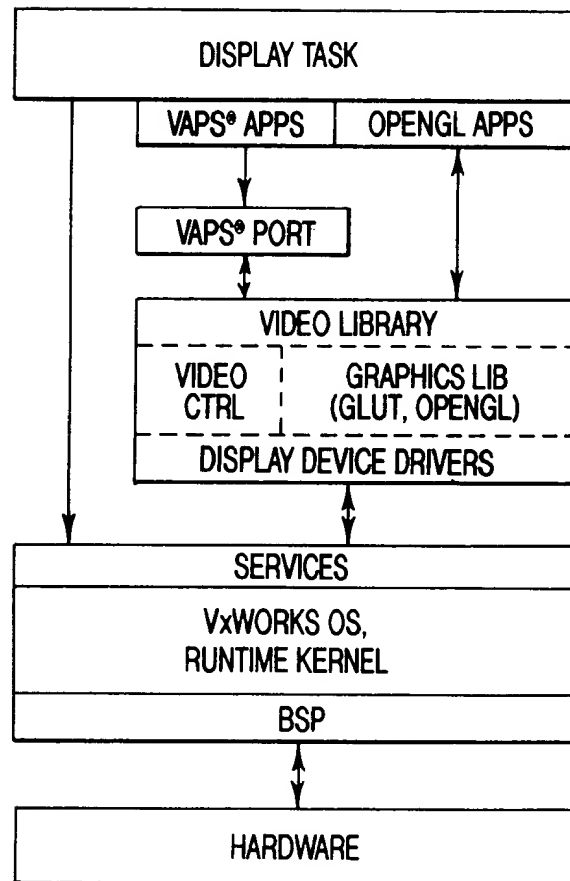


FIG-2



3/10

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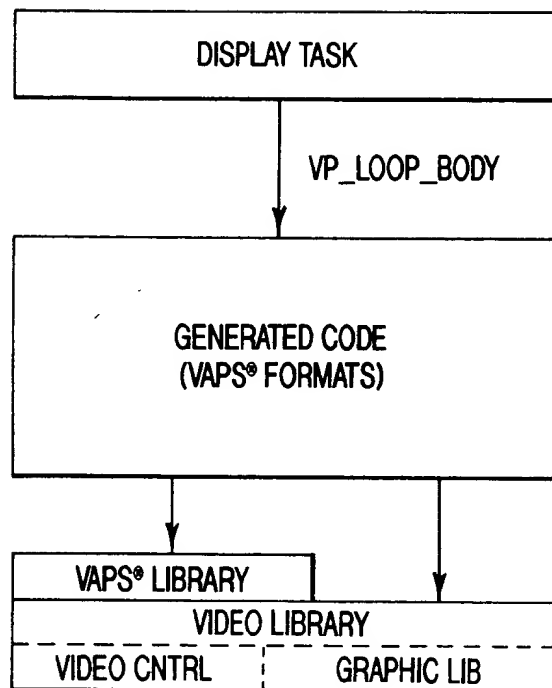


FIG-3



4/10

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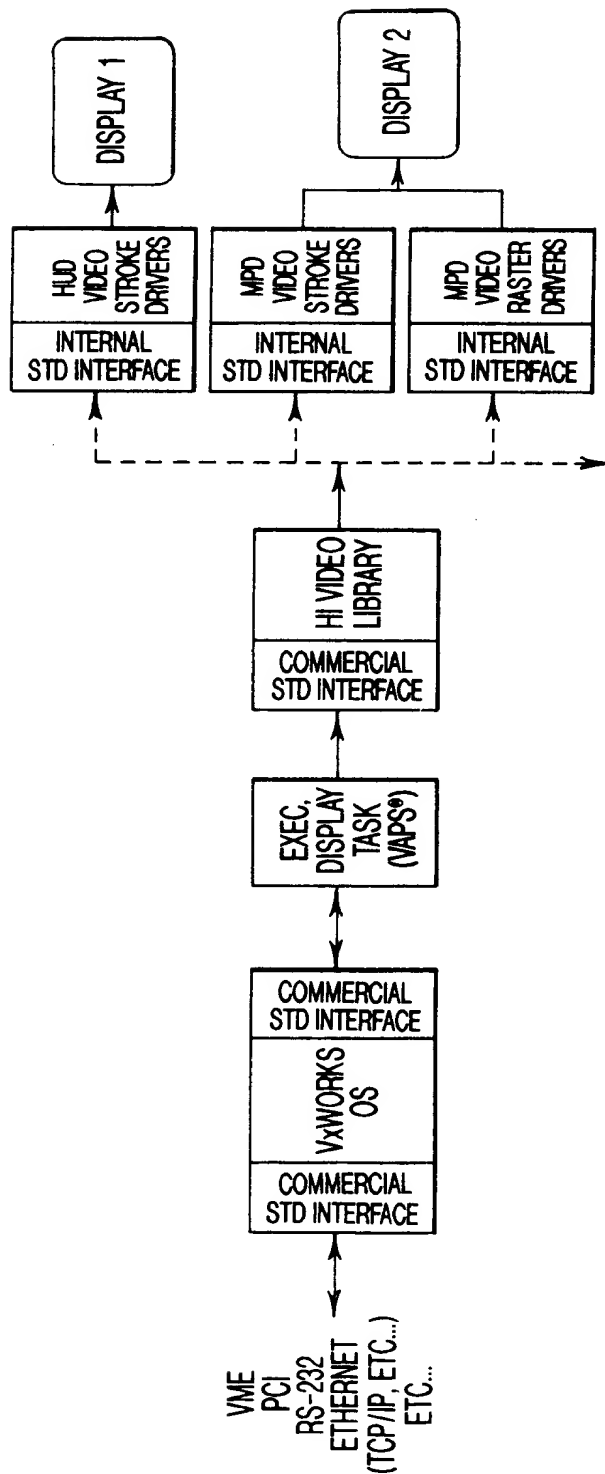


FIG-4

5/10

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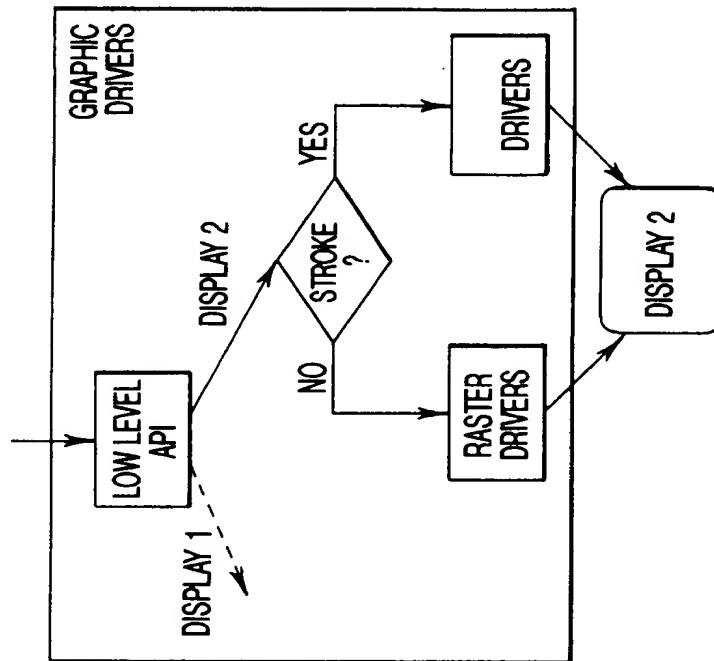


FIG-5B

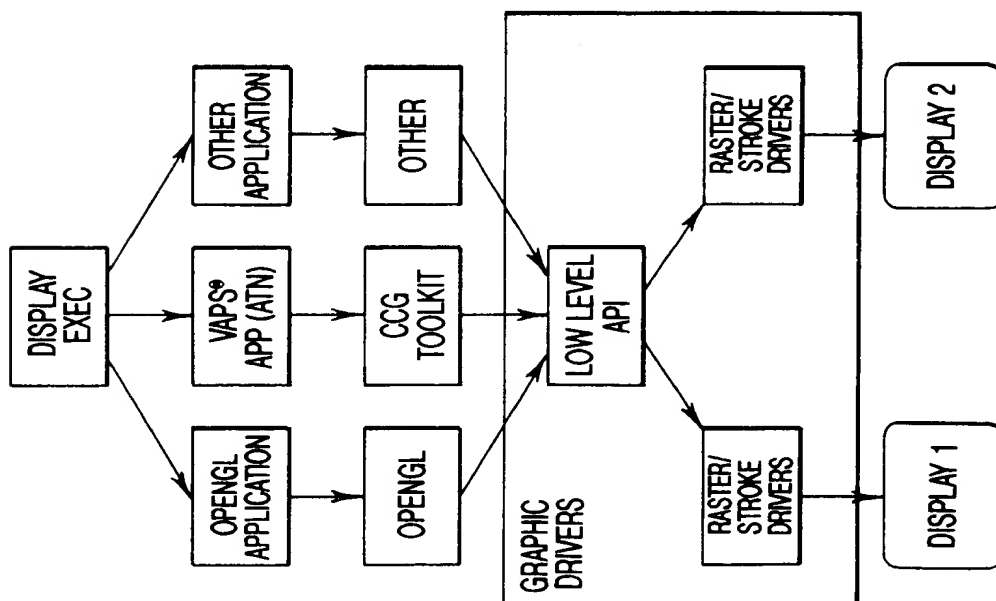


FIG-5A



6/10

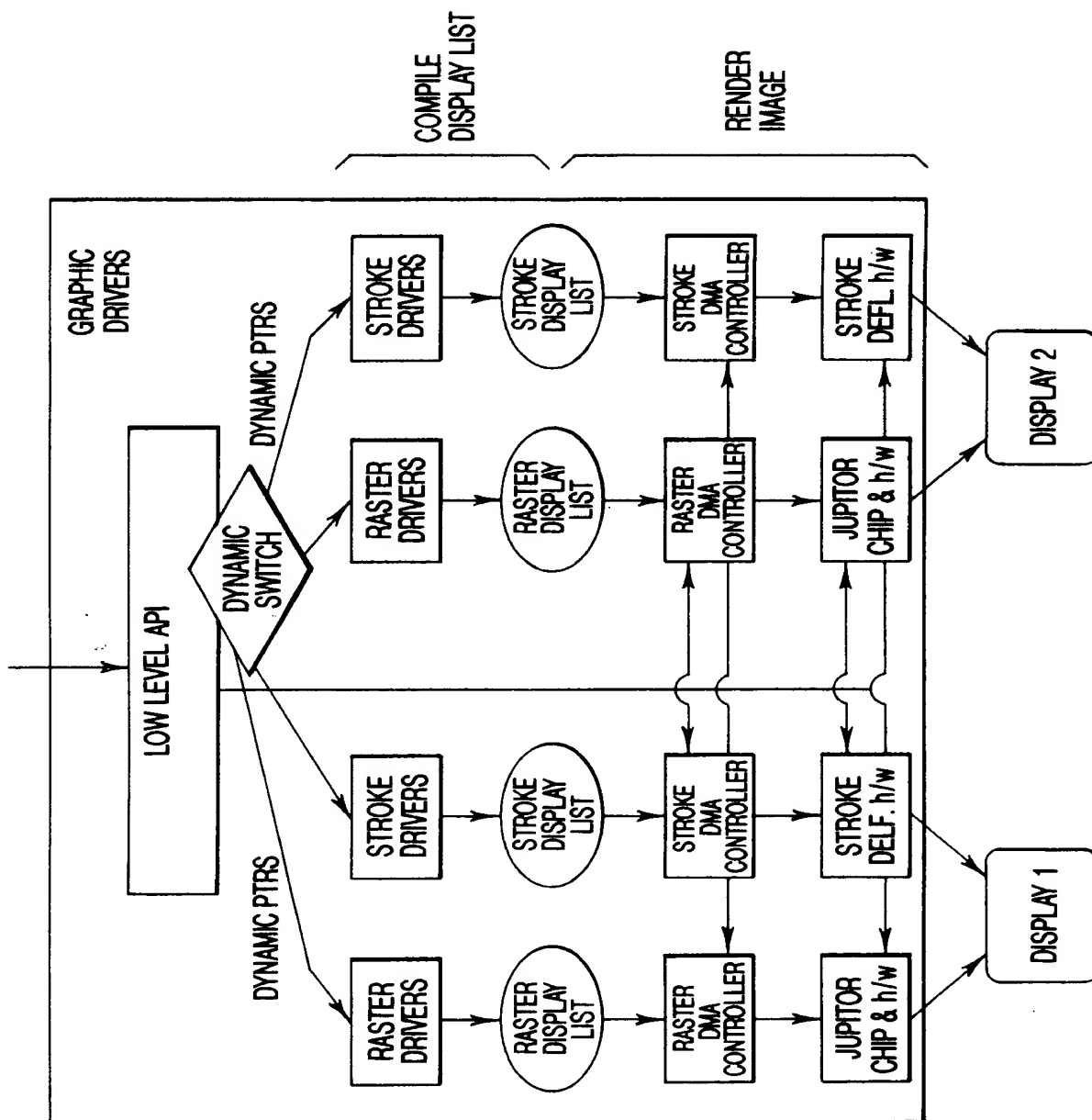


FIG-6

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7/10

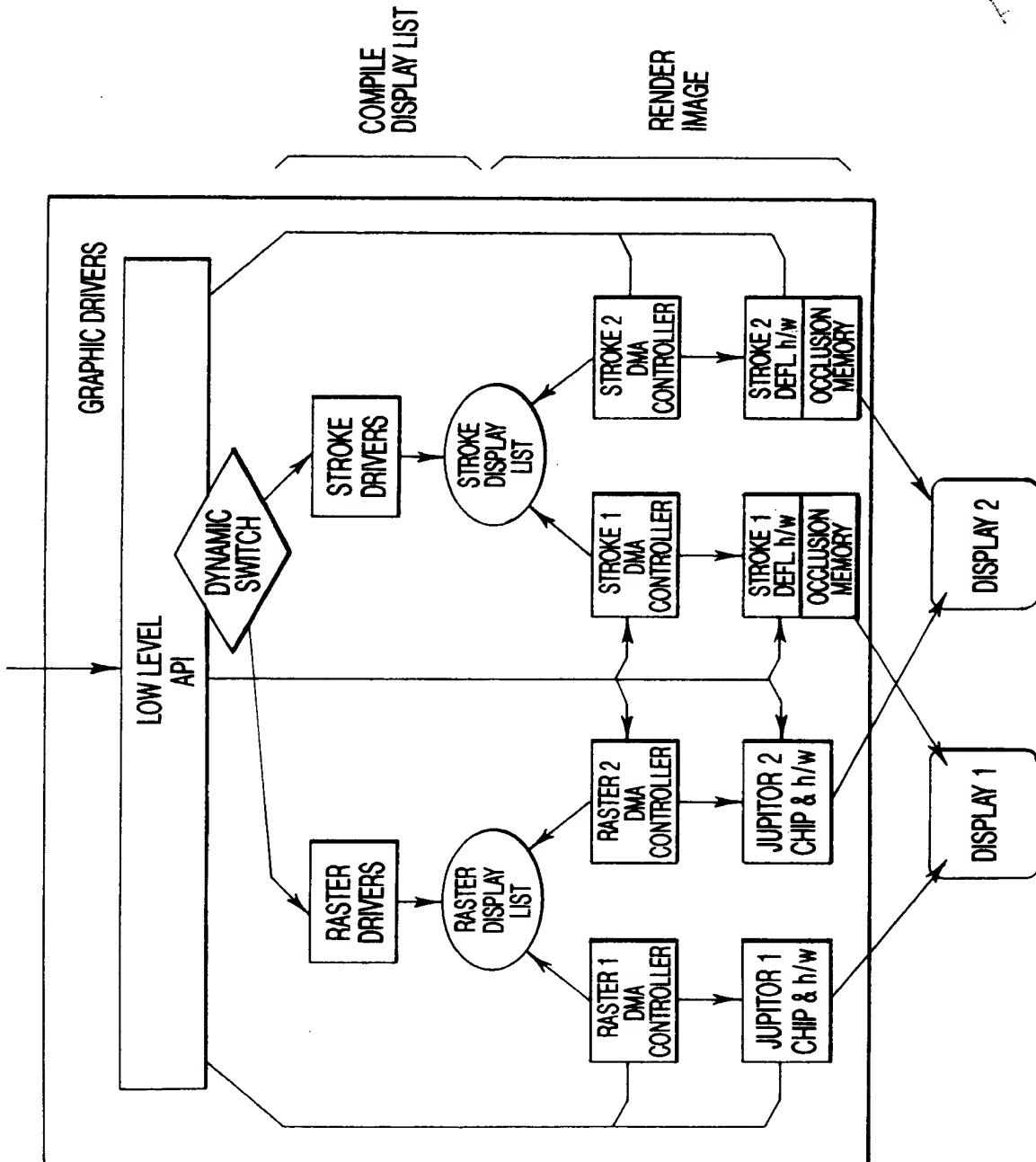


FIG-7

10/10

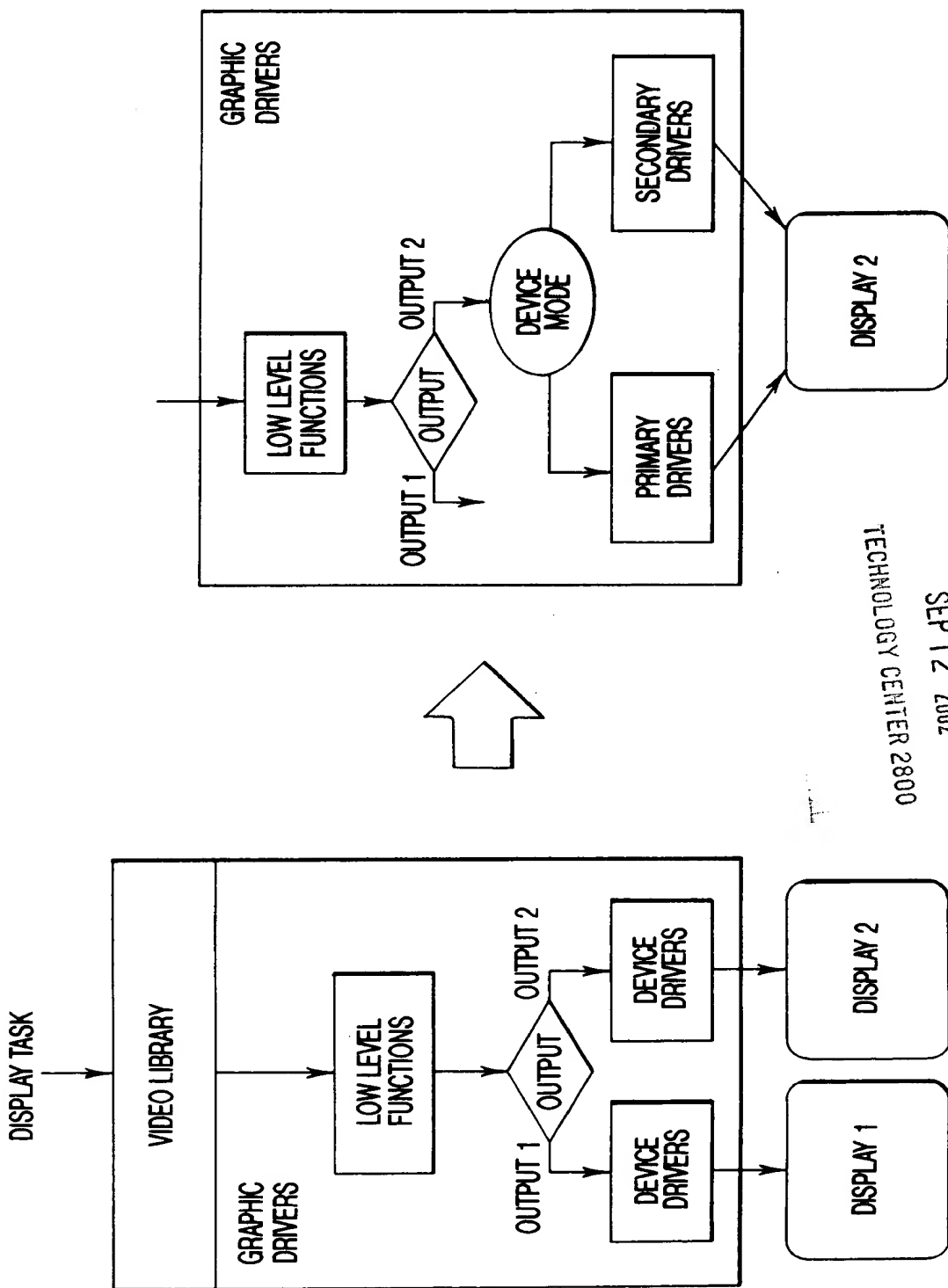


FIG-10B

FIG-10A

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